

ABSTRACT

The present invention is in the field of plant genetics and provides recombinant nucleic acid molecules, constructs, and other agents associated with the coordinate manipulation of multiple genes in the fatty acid synthesis pathway. In particular, the agents of the present invention are associated with the simultaneous enhanced expression of certain genes in the fatty acid synthesis pathway and suppressed expression of certain other genes in the same pathway. Also provided are plants incorporating such agents, and in particular plants incorporating such constructs where the plants exhibit altered seed oil compositions.